

## CLAIMS

What is claimed is:

1. A system for modularizing a business application, said system comprising:
  - a browser which manages a user presentation interface for said business application, the browser configured to support client side scripting; and
  - an application server coupled to the browser and having:
    - a Module Controller Servlet for opening, closing and managing at least one Module associated with the business application, said Module including:
      - at least one Extension component which is selected from a plurality of Extension components, each Extension component defining at least one particular business method/ function associated with the business application, said Extension component invoked as required by the business application, and
      - a Data Store having at least one associated data set which is selected from a plurality of data sets containing data associated with the business application; and
    - a server-side script processing engine for processing scripts submitted by the browser.
2. The system of claim 1, wherein the Module modifies the at least one data set associated with the Data Store as a user makes changes to data associated with the business application via the user presentation interface.
3. The system of claim 2 wherein the Data Store further include a Data Source Module which interacts with the at least one data set and transfers modifications to the data set to a back-end database.
4. The system of claim 1, wherein the at least one Module associated with the business application further includes a Module Deployment Descriptor which defines the at least one associated data set which has been selected for the Data Store.

1 5. The system of claim 4, wherein the Module Deployment Descriptor  
2 further defines which of the at least one Extension components is selected  
3 from the plurality of Extension components for inclusion in the Data Store.

1 6. A computer program product including computer readable program  
2 code for causing a browser and an application server to manage a business  
3 application, said computer readable program code comprising:  
4 code for causing the browser to support client side scripting;  
5 code for causing the application server to open, close and otherwise  
6 managing at least one Module associated with the business application, said  
7 Module including  
8 at least one Extension component which is selected from a  
9 plurality of Extension components, each Extension  
10 component defining at least one particular business  
11 method/ function associated with the business application,  
12 said Extension component invoked as required by the  
13 business application, and  
14 a Data Store having at least one associated data set which is  
15 selected from a plurality of data sets containing data  
16 associated with the business application; and  
17 code for causing the application server to process scripts submitted  
18 by the browser.

1 7. The computer program product of claim 6, where the computer  
2 program product further includes additional computer readable program  
3 code which configures the at least one Module associated with the business  
4 application each time the Module is accessed, said additional computer  
5 readable program code comprising:

6  
7 a Module Deployment Descriptor which defines the at least one  
8 associated data set which has been selected for inclusion in the  
9 Data Store.

1 8. The computer program product of claim 7, wherein the Module  
2 Deployment Descriptor defines which of the at least one Extension  
3 components is selected from the plurality of Extension components for  
4 inclusion in the Module.

1 9. The computer program product of claim 6, wherein the computer  
2 program product further includes computer readable code designed to  
3 modify the at least one data set associated with the Data Store as a user  
4 makes changes to data associated with the business application via the  
5 browser.

1 10. A dynamic, self-configurable Module which supports an entire  
2 business application process, said Module comprising:

3  
4 a Data Store having at least one associated data set which is  
5 selected from a plurality of data sets containing data associated  
6 with the business application; and  
7 at least one Extension component which is selected from a  
8 plurality of Extension components, each Extension component  
9 defining at least one particular business method/ function  
10 associated with the business application, said Extension  
11 component invoked as required by the business application.

1 11. The dynamic, self-configurable Module of claim 10, wherein the  
2 Module invokes a thread or instance to a Script Processing Engine in order  
3 to process the at least one business method/function of the at least one  
4 Extension component at runtime.

1 12. The dynamic, self-configurable Module of claim 10, wherein the  
2 Module has the capability to read from and write to the at least one data set  
3 associated with the Data Store in accordance with user input.

1 13. The dynamic, self-configurable Module of claim 10, wherein the  
2 Data Store further includes a Data Source Module which interacts with the  
3 at least one data set and transfers modifications to the data set to a back-end  
4 database.